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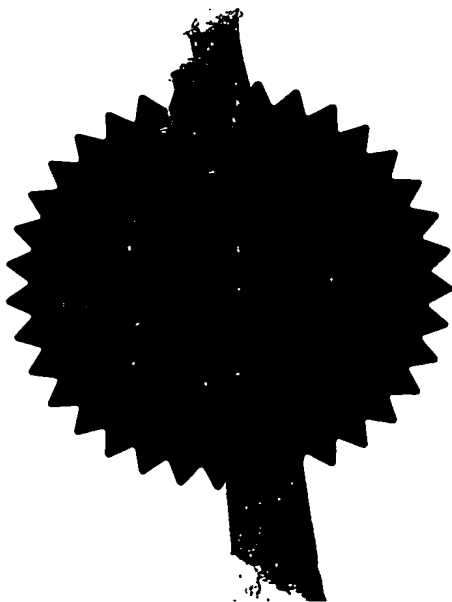
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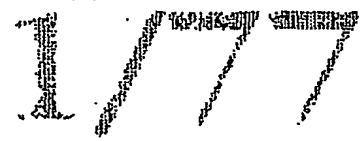
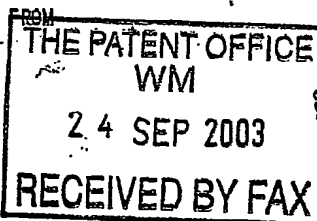
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24 SEP 2003

1. Your reference

BR/JM/WD/P010K

24SEP03 E839485-1 002613

2. Patent application number

(The Patent Office will fill in this part)

0322344.3

P01/7700 0.00-0322344.3

3. Full name, address and postcode of the or of each applicant (underline all surnames)

WILLIAM DIVERS
29 Crewe Road,
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Patents ADP number (if you know it)

If the applicant is a corporate body, give the country/state of its incorporation

872040001

4. Title of the invention

CIGARETTE PACKETS

5. Name of your agent (if you have one)

ANSONS

"Address for service" in the United Kingdom
to which all correspondence should be sent
(including the postcode)

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Belfast
BT4 3EU
Northern Ireland
United Kingdom

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005572169001 ✓

6. If you are declaring priority from one or more earlier patent applications, give the country and the date of filing of the or of each of these earlier applications and (if you know it) the or each application number

Country

Priority application number
(if you know it)Date of filing
(day / month / year)**7. If this application is divided or otherwise derived from an earlier UK application, give the number and the filing date of the earlier application**

Number of earlier application

Date of filing
(day / month / year)**8. Is a statement of inventorship and of right to grant of a patent required in support of this request? (Answer 'Yes' if:**

- a) any applicant named in part 3 is not an inventor, or
 - b) there is an inventor who is not named as an applicant, or
 - c) any named applicant is a corporate body.
- See note (d))

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Continuation sheets of this form

Description 6

Claim(s)

Abstract

Drawing(s) 6

10. If you are also filing any of the following, state how many against each item.

Priority documents

Translations of priority documents

Statement of inventorship and right to grant of a patent (Patents Form 7/77)

Request for preliminary examination and search (Patents Form 9/77)

Request for substantive examination (Patents Form 10/77)

Any other documents (please specify)

11.

I/We request the grant of a patent on the basis of this application.

Signature

Date 24. 09. 03

12. Name and daytime telephone number of person to contact in the United Kingdom.

Bruce Robertson - 02890 656103

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CIGARETTE PACKETS

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This invention relates to a cigarette packet of box shape and of the type having a holder for cigarettes with a lid hinged thereto and normally closed and for opening to reveal the top of the holder and any cigarettes held therein. An inherent problem for cigarette smokers is having means to light a cigarette when the desire is present caused by forgetting to lift a packet of matches or a lighter simultaneously with the packet of cigarettes, or the matches running out or the fuel in the lighter running down.

An object of the present invention is to obviate or mitigate the problem.

It is known to have a book of 'safety' matches in which one or more plates of matches are provided. The plates are each formed from sheet material, such as cardboard, with a series of parallel cuts to form individual matches which are rooted to a cross-band at one end and have a hardened inflammable substance at the opposite end or head, such substance only being ignitable on striking against a striker pad (hereinafter referred to as a 'plate of matches of the type stated'). The substance forms a bulbous head. The plates are encased in a cover, the bottom of which overlies the cross-band on the front of the plate(s), with the remainder extending up the back of the plate(s) to be folded over the top or heads of the matches and clipped in behind the bottom of the cover. A striker pad is provided on the cover across the front or the back of the bottom of the book. A match to be ignited is torn from the cross-band and ignited by striking the head against the striker pad.

Accordingly, a first aspect of the present invention is a plate of matches of the type stated for use with a cigarette packet of the type stated, the heads of the matches having a thin coating of hardened inflammable substance, there being two striker pads provided in a manner that they can be opposed whereby the head of a match, torn from

the plate, is locatable between the pads and with the pads held together, the match can be pulled outwardly to ignite the substance.

Preferably, the plate fits inside the holder at the back of the packaging for the cigarettes.

5 Preferably, also the striker pads are parallelly spaced apart on an extension of the plate, there being a fold between the pads.

Accordingly, a second aspect of the present invention is a cigarette packet of the type stated and a plate of matches of the type stated, the heads of the matches having a thin coating of hardened inflammable substance, there being two striker pads
10 provided in a manner that they can be opposed and held together whereby the head of a match, torn from the plate, is locatable between the pads and with the pads held together, the match is pulled outwardly to ignite the substance.

Preferably, the plate is secured to overlie one face of the holder and one striker pad is provided on the holder.

15 Embodiments of the present invention will now be described, by way of example, with reference to the accompanying diagrammatic drawing(s), in which:-

Fig. 1 is a perspective view of the cigarette packet, when closed, according to a first embodiment of the present invention, the view showing a plate secured to a back of the holder of the packet with a cross-band adjacent to a hinge between a holder and
20 a lid and the match heads at the bottom of the back, and two striker pads, a first provided on the lid and a second on the holder on each side of the hinge;

Fig. 2 is a perspective view of the cigarette packet shown in Fig. 1 opened with the lid and first striker pad overlying the holder and second striker pad, a match being shown having ignited by being pulled from between the opposed striker pads
25 when held together;

Fig. 3 is a perspective view of the cigarette packet according to a second

embodiment, the view showing a plate secured to a front of the holder with a cross-band adjacent to the hinge, the plate having a flap hinged to the cross-band with a first striker plate being provided on the inside face of the cross-band with a second striker pad being provided on the front of the holder at a position to be opposed to the first
5 striker pad when the plate lies against the holder;

Fig. 4 is a perspective view of the cigarette packet as shown in Fig. 3, with the plate of matches held down with the two striker pads held together and a match being shown having ignited by being pulled out from between the opposed striker pads;

Fig. 5 is a perspective view of the cigarette packet according to a modified
10 second embodiment in which the plate of matches has its flap secured to the back of the holder with similarly positioned striker pads;

Fig. 6 is a perspective view of the cigarette packet as shown in Fig. 5 with the plate of matches held down with the two striker pads held together and a match being shown having ignited by being pulled out from between the opposed striker pads;

Fig. 7 is a perspective view of the cigarette packet according to a third
15 embodiment, the view showing the plate of matches secured to the side of a holder, and hinged for the plate to overlie the front of the holder, a panel being provided at the side of the matches near the bottom of the holder, the panel being separate from the matches and similarly hinged to the holder, a first striker pad being provided on the
20 reverse of the panel with the second striker pad being provided at the bottom of the front face of the holder;

Fig. 8 is perspective view the cigarette packet shown in Fig. 7 with the panel being held down against the holder and a match being shown having ignited by being pulled out from between the opposed striker pads;

Fig. 9 is a perspective view of the cigarette packet according to a fourth
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embodiment in which the striker pads are provided at the interface between the holder and the lid as shown;

Fig. 10 is a perspective view the cigarette packet shown in Fig. 4 with the holder and the lid held shut and a match being shown having ignited by being pulled out from
5 between the opposed striker pads;

Fig. 11 is a perspective view of the cigarette packet according to a fifth and simplified embodiment in which the plate of the matches is located inside the holder to the back of internal packaging for the cigarettes; and

Fig. 12 is a perspective view of the cigarette packet shown in Fig. 11 with the
10 plate shown above the cigarette packaging.

Referring to Figs. 1 to 10 of the drawings, a cigarette packet of the type stated is provided to one face of the holder 10 of which a plate 14 of matches 16 of the type stated is secured. The heads 24 of the matches 16 have a thin coating of hardened inflammable substance, the coating being printed thereon. Two striker pads 18, 20
15 are provided on the packet in a manner that they can be opposed and held together whereby the head 24 of the match 16, torn from the cross-band 22 of the plate 14, can be located between the pads 18, 20 and with the pads 18, 20 held together, the match 16 can be pulled outwardly to strike it and ignite the substance.

Different embodiments of the cigarette packet will be described herebelow in
20 which like parts will be referred to by like numerals.

In a first embodiment as shown in Figs. 1 and 2, the cigarette packet has the plate 14 secured to a back of the holder 10 of the packet with the cross-band 22 adjacent to a hinge between the holder 10 and a lid 12 and the match heads 24 at the bottom of the back. The two striker pads are provided the first 18 on the lid 12 and the
25 second 20 on the holder 10 on each side of the hinge. In use, the cigarette packet is opened with the lid 12 and first striker pad 18 overlying the holder 10 and second

striker pad 20. A match 16 is torn from the cross-band 22 and ignited by being placed between the two pads 18, 20 and pulled from between the opposed striker pads when being held together;

In a second embodiment as shown in Figs. 3 and 4, the cigarette packet has a plate 14 secured to a front of the holder 10 with a cross-band 22 adjacent to the hinge.
The plate 14 has a flap 26 hinged to the cross-band 22 with a first striker plate 18 being provided on the inside face of the cross-band 22 with a second striker pad 20 being provided on the front of the holder 10 at a position to be opposed to the first striker pad 18 when the plate 14 lies against the holder 10. In use, with the plate 14 of matches 16 held down with the two striker pads 18, 20 held together, a match 16 having been torn from the cross-band 22 is ignited by being pulled out from between the opposed striker pads;

In a modified second embodiment as shown in Figs. 5 and 6, the plate 14 of matches 16 has its flap 28 secured to the back of the holder 10 with similarly positioned striker pads 18, 20. With the plate 14 of matches 16 held down with the two striker pads 18, 20 held together, a match 16 is ignited by being located between and pulled out from between the opposed striker pads.

In a third embodiment as shown in Figs. 7 and 8, the cigarette packet has its the plate 14 of matches 16 secured to the side of a holder 10, and hinged for the plate 14 to overlie the front of the holder 10. A panel 28 is provided at the side of the plate 14 near the bottom of the holder 10. The panel 28 is separate from the matches 16 and is similarly hinged to the holder 10. A first striker pad 18 is provided on the reverse of the panel 28 with the second striker pad 20 being provided at the bottom of the front face of the holder 10. In use, with the panel 28 being held down against the holder 10, a match is ignited by being pulled out from between the opposed striker pads 18, 20.

In a fourth embodiment as shown in Figs. 9 and 10, the striker pads 18, 20 are provided at the interface between the holder 10 and the lid 12. In use, with the holder 10 and the lid 12 held shut, a match 16 is ignited by being pulled out from between the opposed striker pads 18, 20.

5 In a fifth and simplified embodiment as shown in Figs. 11 and 12, the plate 14 of the matches 16, separate from the holder 10 of the packet, is located inside the holder 10 to the back of the internal packaging 32 for the cigarettes. The internal packaging normally is folled paper wrapped around the cigarettes, a front portion being removable on opening the packet for access to the cigarettes. Fig. 12 shows the plate 14 above
10 the cigarette packaging 32. The plate 14 in this embodiment has a hinged flap 26 which inside the packet overlies the packaging as shown in Fig. 11, striker pad 18 being on the inside face of the cross-band 22 and striker pad 20 being provided on the inside face of the flap 26. As in previous embodiments, the pads 18, 20 are brought together with the head of a match therebetween and pulled out to be ignited.

15 If desired, the plate in all embodiments can be of the same material as the card forming the packet, can be coloured and printed or folled and printed to match the appearance of the cigarette packet.

Variations and modifications can be made without departing from the scope of the invention described above.

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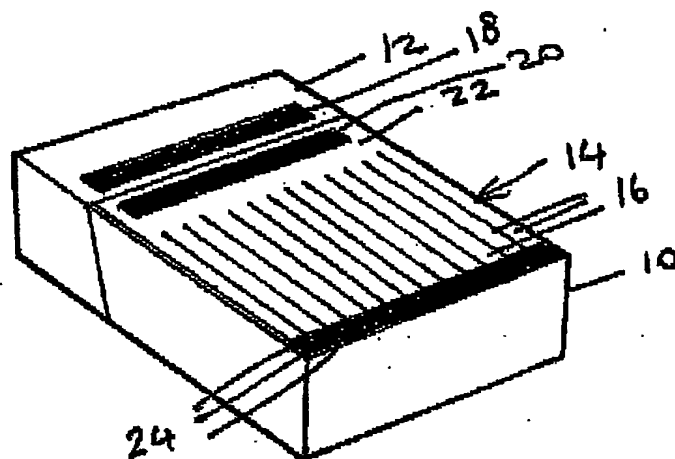


Fig. 1

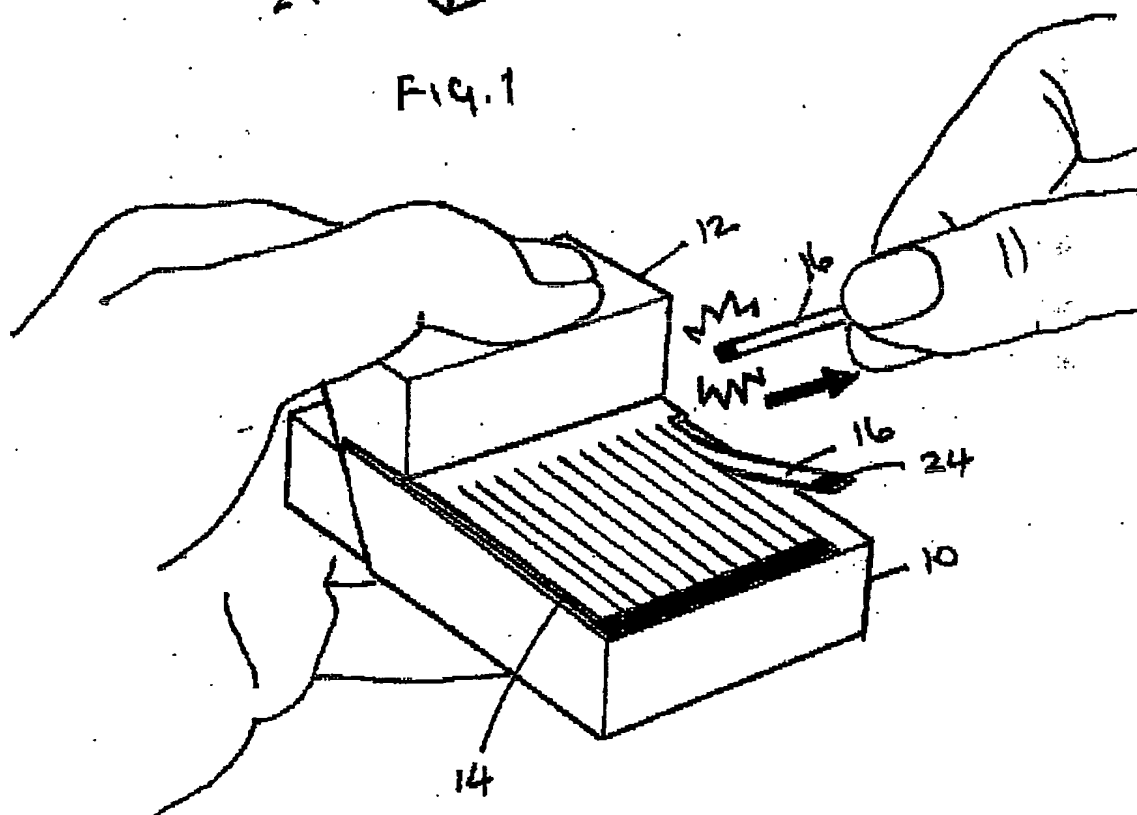


Fig. 2

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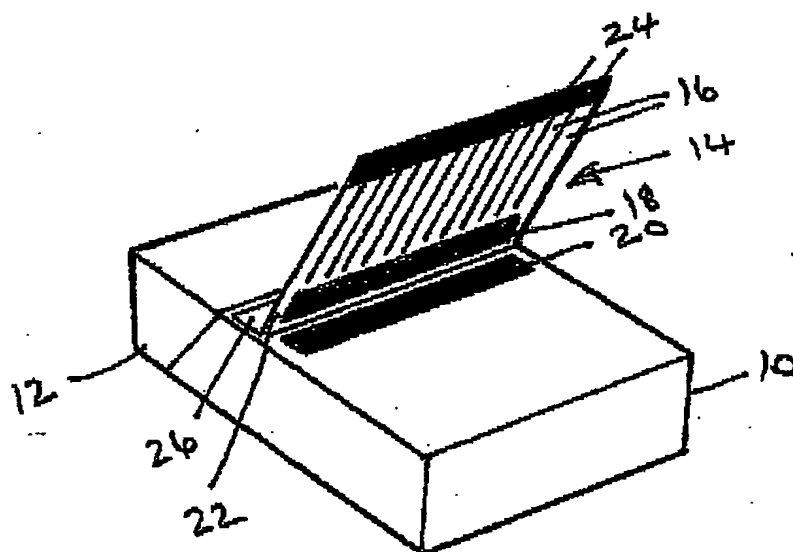


Fig. 3

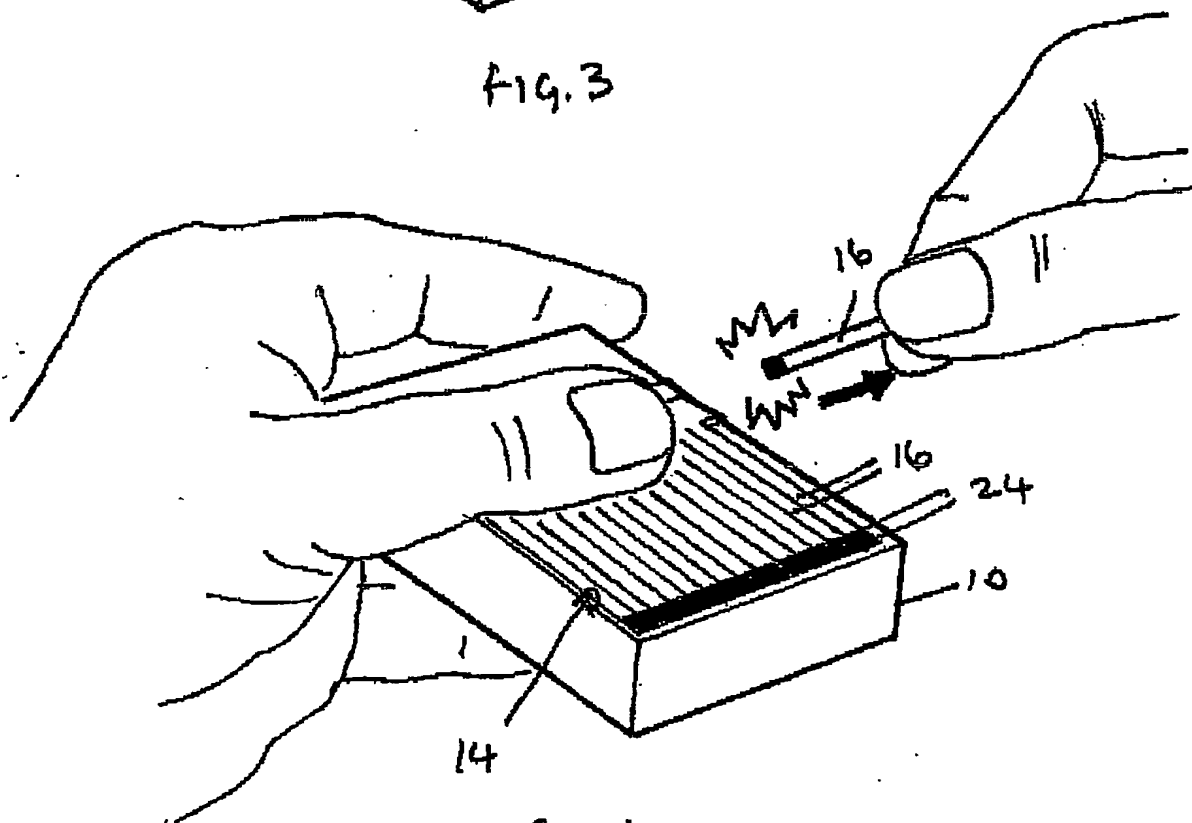


Fig. 4

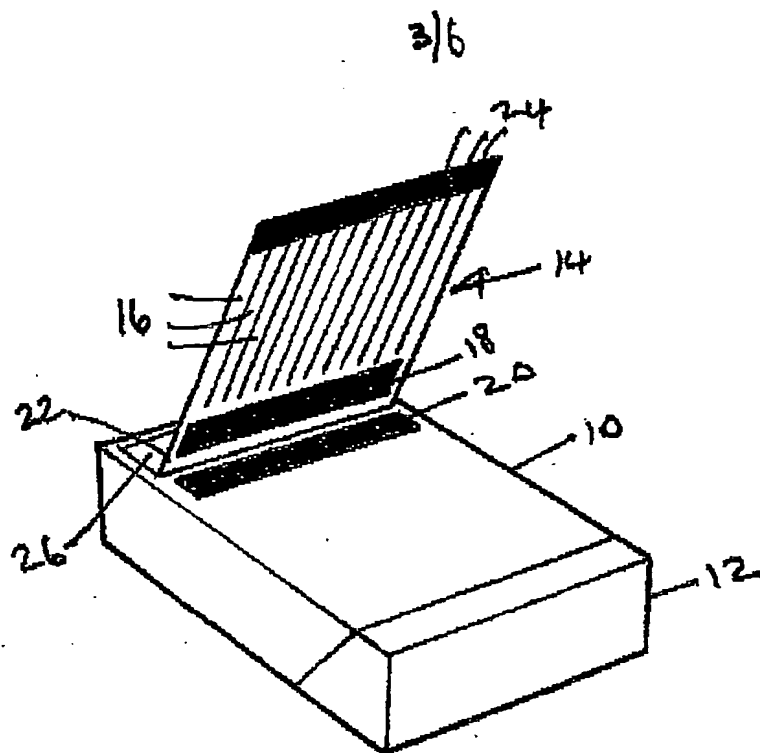


Fig. 5

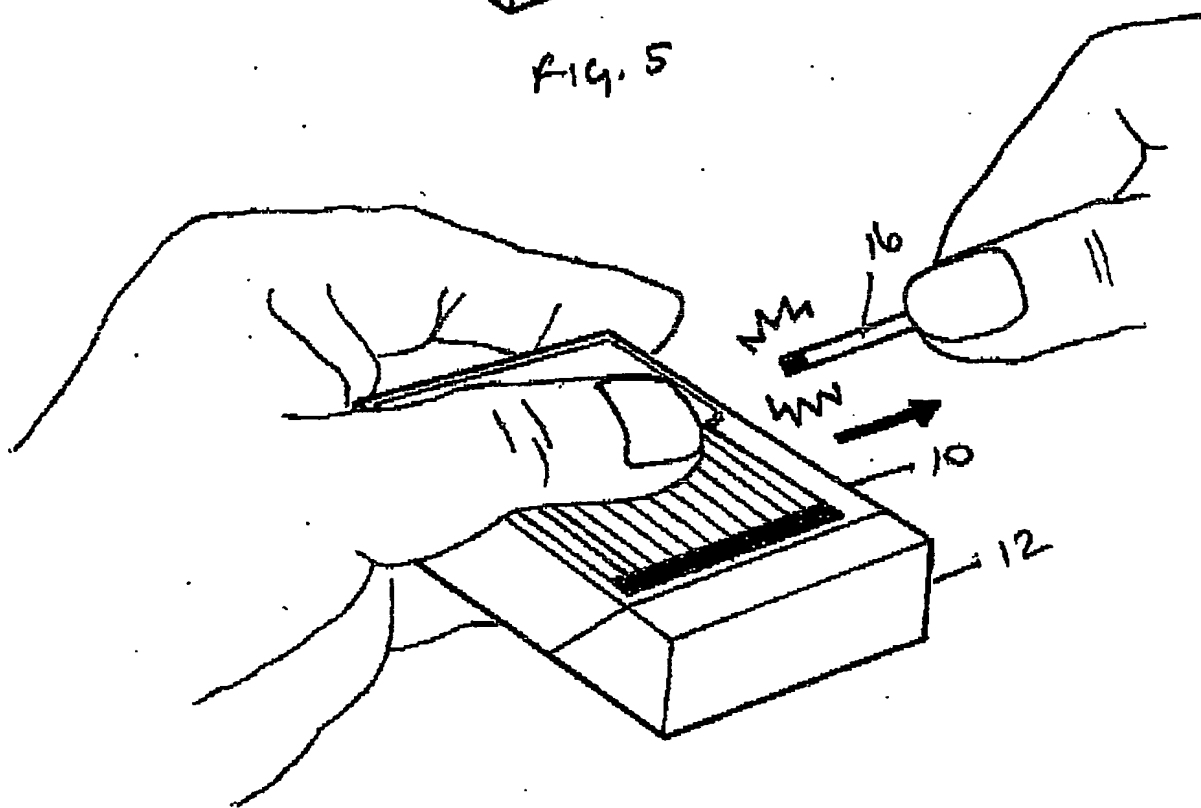


Fig. 6

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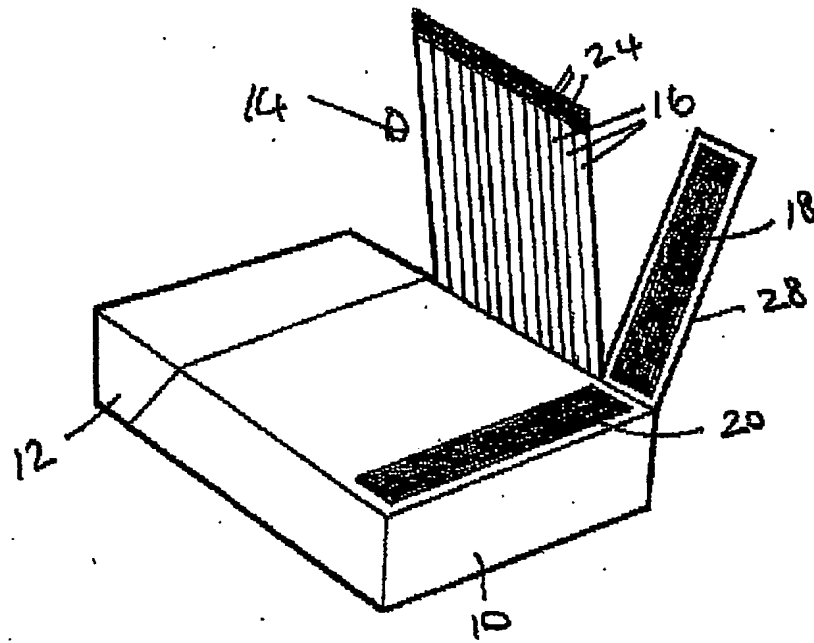


Fig. 7.

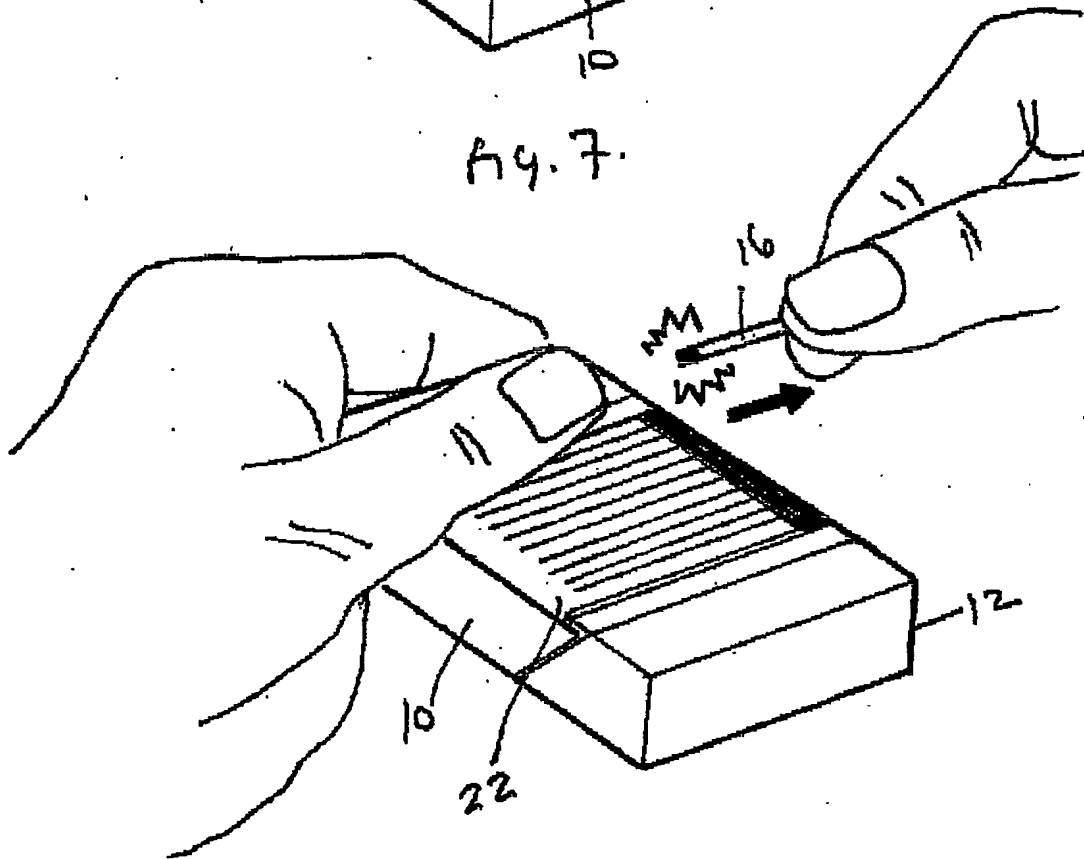


Fig. 8

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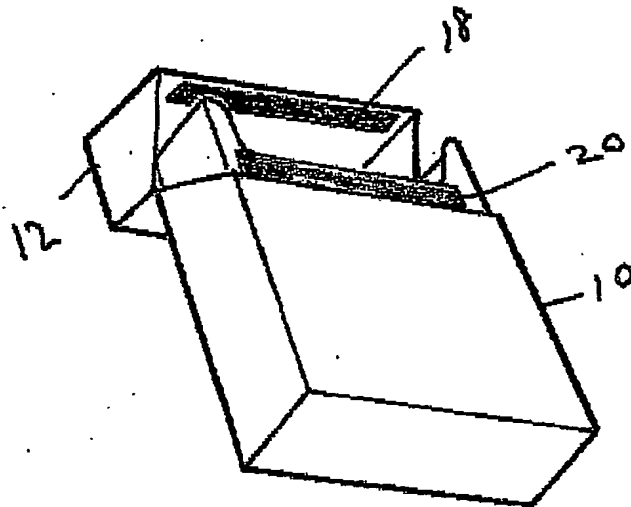


Fig. 9

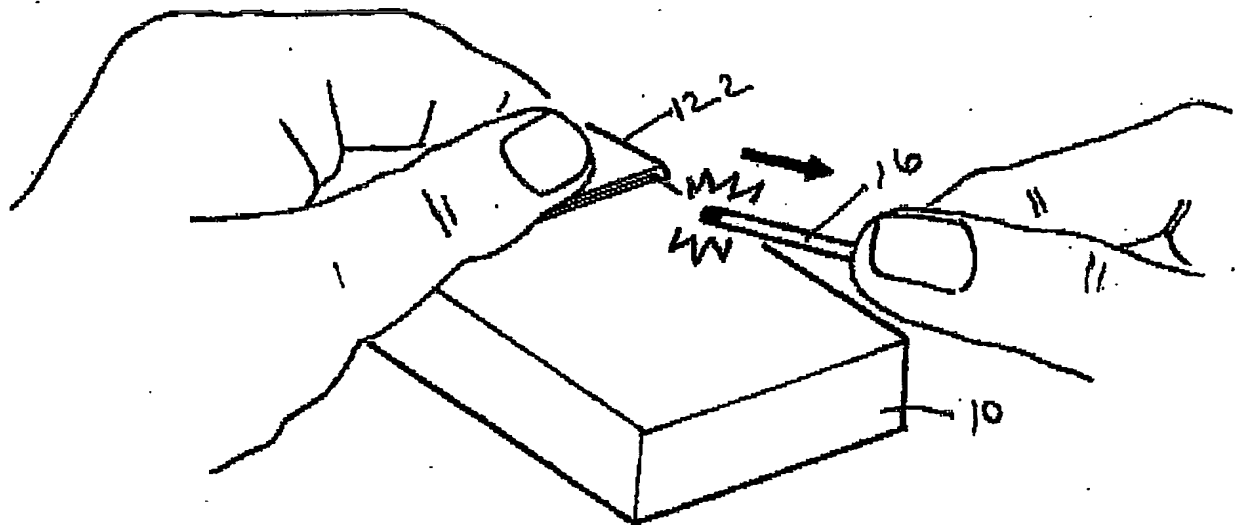
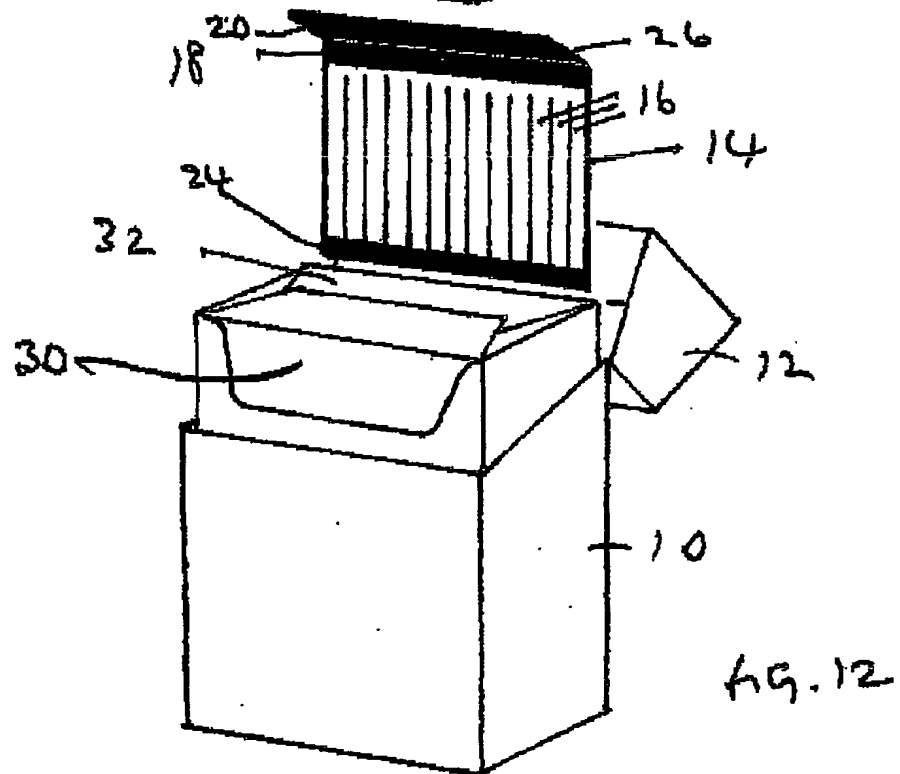
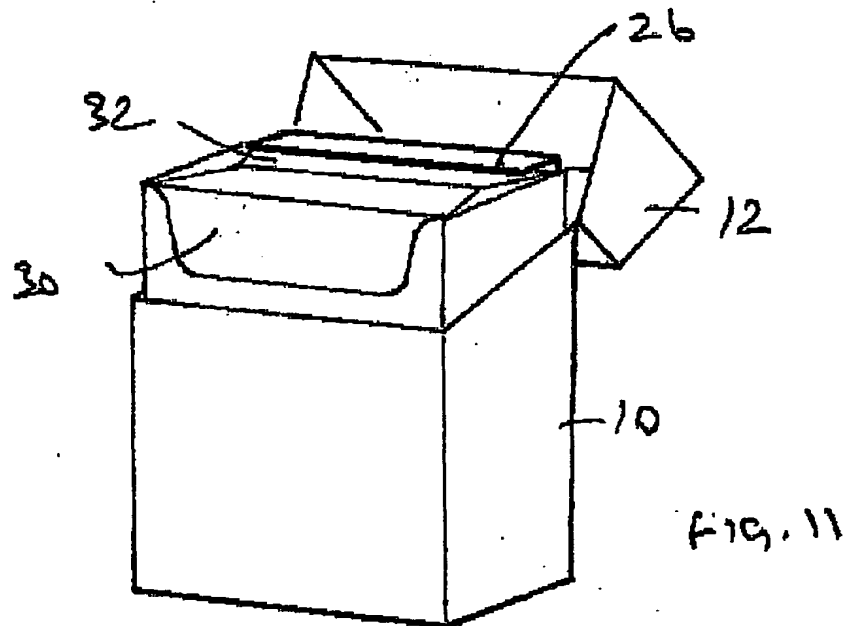


Fig. 10

b/b





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